What the invention claimed is:

1. A communication system of automatically setting basic data of VoIP devices that sends the MAC address of an VoIP (Voice Over IP) device to a call agent subject to a communication protocol installed in said VoIP device after connection of the VoIP device to the Internet, requesting for the related setting data of the VoIP device at the call agent so that the call agent searches the setting data of the VoIP device subject to said communication protocol upon receipt of the request from said VoIP device, and then automatically distributes the setting data to said VoIP device.

2. The communication system of automatically setting basic data of VoIP devices of claim 1 wherein said setting data includes:

said VoIP device's IP address;

said VoIP device's identifier;

said call agent's IP address; and

the IP address of the DNS server of said call agent.

3. The communication system of automatically setting basic data of VoIP devices of claim 2 wherein said setting data further includes said VoIP device's TFTP filename and the TFTP server's IP address of said VoIP device such that when the edition of the driver software of said VoIP device is upgraded, the upgraded edition of the driver software is installed in the TFTP server, and said VoIP device can determine if it is necessary to download the

upgraded driver software when receiving the setting data from the call agent, and said VoIP device can directly download the upgraded driver software from the TFTP server subject to the respective IP address when required, and said VoIP device can judge if the assigned upgraded edition has existed in it or not when downloaded a first packet, preventing a repeat download of the same edition of driver software that gives a burden to the flow of the Internet.

4. The communication system of automatically setting basic data of VoIP devices of claim 3 wherein said setting data further includes the setting data that changes the function of said VoIP device so that said VoIP device immediately downloads the assigned setting file and checks the content of the assigned setting file upon receipt of the setting data from said call agent, and then corrects the respective set values subject to the content of the assigned setting file.

5. The communication system of automatically setting basic data of VoIP devices of claim 1, wherein said communication protocol is DHCP (Dynamic Host Configuration Protocol).

6. The communication system of automatically setting basic data of VoIP devices of claim 1, wherein said communication protocol is BOOTP (Bootstrap Protocol).